

We claim:

1. A dual-sectioned, grounding bushing assembly, the grounding bushing assembly for enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized, the grounding bushing assembly comprising:

5 a first bushing section and a second bushing section, the first bushing section comprising a first section hinge end, a first section latch end, and a first section arc length intermediate the first section hinge end and the first section latch end, the second bushing section comprising a second section hinge end, a second section latch end, and a second section arc length intermediate the second section hinge end and

10 the second section latch end;

 hinge means, the hinge means comprising first section hinge knuckle structure, second section hinge knuckle structure and a hinge pin, the first section hinge knuckle structure integrally formed with the first bushing section adjacent the first section hinge end, the second section hinge knuckle structure integrally formed with the second bushing section adjacent the second section hinge end, the first and second hinge knuckle structures each comprising hinge pin-receiving structure, the hinge pin-receiving structure having a hinge pin axis, the hinge pin insertable into the hinge pin-receiving structures for pivotally connecting the first bushing section to the second bushing section, the first bushing section and the second bushing section

15 being pivotable about a pivot axis when pivotally connected, the pivot axis being collinear with the hinge pin axis; and

 latch means, the latch means comprising first section latch knuckle structure, second section latch knuckle structure and latch pin means, the first section latch

knuckle structure integrally formed with the first bushing section adjacent the first section latch end, the second section latch knuckle structure integrally formed with the second bushing section adjacent the second section latch end, the first and second latch knuckle structures each comprising latch pin-receiving structure, the latch pin-receiving structure having a latch pin axis, the latch pin axis being substantially parallel to the hinge pin axis, the latch pin means insertable into the latch pin-receiving structure for removably fastening the first section latch end to the second section latch end, the first and second section arc lengths thus cooperatively forming an annular, dual-sectioned, grounding bushing, the grounding bushing comprising an inner annular surface, an outer annular surface, a conductor inlet end, a conductor outlet end, and a bushing axis, the bushing axis being substantially parallel to the latch pin axis and the hinge pin axis, the conductor inlet end for receiving at least one electrical conductor, the electrical conductor exiting a conduit terminus, the conductor inlet end for removable attachment to the conduit terminus, the electrical conductor for finalized electrical connectivity to structure adjacent the conduit terminus, the grounding bushing assembly thus enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized.

2. The grounding bushing assembly of claim 1 wherein the grounding bushing comprises an annular beveled surface intermediate the inner annular surface and the conductor outlet end.

3. The grounding bushing assembly of claim 1 wherein the first section latch knuckle structure comprises an inlet end knuckle and an outlet end knuckle, the inlet end knuckle being in axially spaced relation to the outlet end knuckle, the inlet end knuckle and the outlet end knuckle thus defining a knuckle-receiving gap, the latch pin means being defined by an inlet end ball plunger and an outlet end ball plunger, the inlet end and outlet end ball plungers each comprising a ball end, a head end, and spring means for ball end displacement, the inlet end and outlet end ball plungers insertable in the latch pin-receiving structure such that the ball ends extend into the knuckle-receiving gap, the second section latch knuckle structure comprising an inlet end surface and an outlet end surface, the inlet end and the outlet end surfaces each comprising axially-aligned ball-receiving dimples, the second section latch knuckle structure receivable in the knuckle-receiving gap, the spring means allowing the ball ends to be oppositely displaced and seatable in the ball-receiving dimples for removably fastening the first section latch end to the second section latch end.

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4. The grounding bushing assembly of claim 3 wherein the inlet end and outlet end ball plungers each comprise spring lock means, the spring lock means for preventing ball end displacement, the spring lock means for selectively locking the first section latch end to the second section latch end.

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5. The grounding bushing assembly of claim 1 wherein the first bushing section, the second bushing section, the hinge means, and the latch means are constructed from electrically conductive materials, the first bushing section, the second bushing

section, the hinge means, and the latch means thus being electrically communicative with one another.

6. The grounding bushing assembly of claim 1 wherein the first section arc length and

5 the second section arc length are substantially equal in magnitude.

7. The grounding bushing assembly of claim 1 wherein the grounding bushing assembly

comprises ground conductor attachment means, the ground conductor attachment

means for removably attaching a ground conductor to the grounding bushing.

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8. The grounding bushing assembly of claim 7 wherein the ground conductor

attachment means is defined by a ground conductor-receiving tunnel, set screw-

receiving structure, and at least one set screw, the ground conductor-receiving tunnel

being formed through the grounding bushing adjacent the latch means, the ground

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conductor-receiving tunnel having a tunnel axis, the tunnel axis being substantially

orthogonal to the bushing axis, the ground conductor-receiving tunnel for receiving a

ground conductor, the set screw-receiving structure orthogonally intersecting the

ground conductor-receiving tunnel, the set screw removably insertable in the set

screw-receiving structure for removably attaching a ground conductor to the

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grounding bushing.

9. The grounding bushing assembly of claim 1 wherein the inner annular surface comprises a conductive contact ridge, the conductive contact ridge for increasing electrical communication with the conduit terminus.
- 5 10. The grounding bushing assembly of claim 1 wherein the grounding bushing comprises an annular flange adjacent the inner annular surface and the conductor outlet end, the annular flange being constructed from insulative materials.
11. The grounding bushing assembly of claim 1 wherein the outer annular surface
- 10 comprises a plurality of circumferentially spaced, axially-aligned, section-reinforcing ribs.
12. A dual-sectioned, grounding bushing assembly, the grounding bushing assembly for enabling an installer to install the grounding bushing assembly either before or after
- 15 electrical connections are finalized, the grounding bushing assembly comprising:
- a first bushing section and a second bushing section, the first bushing section comprising a first section hinge end, a first section latch end, and a first section arc length intermediate the first section hinge end and the first section latch end, the second bushing section comprising a second section hinge end, a second section latch end, and a second section arc length intermediate the second section hinge end and the second section latch end;
- 20 hinge means, the hinge means comprising first section hinge knuckle structure, second section hinge knuckle structure and a hinge pin, the first section

hinge knuckle structure integrally formed with the first bushing section adjacent the first section hinge end, the second section hinge knuckle structure integrally formed with the second bushing section adjacent the second section hinge end, the first and second hinge knuckle structures each comprising hinge pin-receiving structure, the hinge pin-receiving structure having a hinge pin axis, the hinge pin insertable into the hinge pin-receiving structure for pivotally connecting the first bushing section to the second bushing section, the first bushing section and the second bushing section being pivotable about a pivot axis when pivotally connected, the pivot axis being collinear with the hinge pin axis;

10 latch means, the latch means comprising first section latch structure, second section latch structure and a latch pin, the first section latch structure integrally formed with the first bushing section adjacent the first section latch end, the second section latch structure integrally formed with the second bushing section adjacent the second section latch end, the first and second latch structures each comprising latch pin-receiving structure, the latch pin-receiving structure having a latch pin axis, the latch pin removably insertable into the latch pin-receiving structure for removably fastening the first section latch end to the second section latch end, the first and second section arc lengths thus cooperatively forming an annular, dual-sectioned grounding bushing, the grounding bushing comprising an inner annular surface, an outer annular surface, a conductor inlet end, a conductor outlet end, and a bushing axis, the bushing axis being substantially parallel to the hinge pin axis, the inner annular surface comprising a circumferential seat flange, the seat flange being intermediate the conductor inlet end and the conductor outlet end; and

a dual-sectioned, insulative bushing member, the insulative bushing member comprising a first insulative section and a second insulative section, the first and second insulative sections each comprising a first insulative end, a second insulative end, and an insulative arc length intermediate the first insulative end and the second insulative end, the first and second insulative sections thus cooperatively forming an annular, dual-sectioned bushing member, the bushing member being sized and shaped to snugly seat upon the seat flange, the conductor inlet end for receiving at least one electrical conductor, the electrical conductor exiting a conduit terminus, the conductor inlet end for removable attachment to the conduit terminus, the electrical conductor for finalized electrical connectivity to structure adjacent the conduit terminus, the grounding bushing assembly thus enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized.

13. The grounding bushing assembly of claim 12 wherein the latch pin axis has a select latch axis orientation, the select latch axis orientation being selected from the group consisting of a hinge-pin parallel orientation and a hinge-pin orthogonal orientation, wherein the hinge-pin parallel orientation is defined by the latch pin axis being substantially parallel to the hinge pin axis and wherein the hinge-pin orthogonal orientation is defined by the latch pin axis being substantially orthogonal to the hinge pin axis.

14. The grounding bushing assembly of claim 12 wherein the first bushing section, the second bushing section, the hinge means, and the latch means are constructed from

electrically conductive materials, the first bushing section, the second bushing section, the hinge means, and the latch means thus being electrically communicative with one another.

- 5 15. The grounding bushing assembly of claim 12 wherein the first section arc length and the second section arc length are substantially equal in magnitude.
16. The grounding bushing assembly of claim 12 wherein the grounding bushing assembly comprises ground conductor attachment means, the ground conductor attachment means for removably attaching a ground conductor to the grounding bushing.
17. The grounding bushing assembly of claim 16 wherein the ground conductor attachment means is defined by a ground conductor-receiving tunnel, set screw-receiving structure, and at least one set screw, the ground conductor-receiving tunnel being formed through the grounding bushing adjacent the latch means, the ground conductor-receiving tunnel having a tunnel axis, the tunnel axis being substantially orthogonal to the bushing axis, the ground conductor-receiving tunnel for receiving a ground conductor, the set screw-receiving structure orthogonally intersecting the ground conductor-receiving tunnel, the set screw removably insertable in the set screw-receiving structure for removably attaching a ground conductor to the grounding bushing.

18. The grounding bushing assembly of claim 12 wherein the inner annular surface comprises a conductive contact ridge, the conductive contact ridge for increasing electrical communication with the conduit terminus.

5 19. The grounding bushing assembly of claim 12 wherein the outer annular surface comprises a plurality of circumferentially spaced, axially-aligned, section-reinforcing ribs.

10 20. A dual-sectioned, grounding bushing assembly, the grounding bushing assembly enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized, the grounding bushing assembly comprising:
a first bushing section and a second bushing section, the first bushing section comprising a first section hinge end, a first section latch end, and a first section arc length intermediate the first section hinge end and the first section latch end, the
15 second bushing section comprising a second section hinge end, a second section latch end, and a second section arc length intermediate the second section hinge end and the second section latch end;

20 hinge means, the hinge means comprising first section hinge knuckle structure, second section hinge knuckle structure, and a fixed hinge post, the first section hinge knuckle structure integrally formed with the first bushing section adjacent the first section hinge end, the second section hinge knuckle structure integrally formed with the second bushing section adjacent the second section hinge end, the hinge post being integrally formed with the second section hinge knuckle

structure, the hinge post having a hinge post axis, the first section hinge knuckle structure comprising hinge post-receiving structure, the hinge post-receiving structure being cooperatively associated with the hinge post for pivotally connecting the first bushing section to the second bushing section, the first bushing section and the second bushing section being pivotable about a pivot axis when pivotally connected,
5 the pivot axis being collinear with the hinge post axis; and

latch means, the latch means comprising first section latch structure, second section latch structure and a latch pin, the first section latch structure integrally formed with the first bushing section adjacent the first section latch end, the second section latch structure integrally formed with the second bushing section adjacent the second section latch end, the first and second latch structures each comprising latch pin-receiving structure, the latch pin-receiving structure having a latch pin axis, the latch pin removably insertable into the latch pin-receiving structure for removably fastening the first section latch end to the second section latch end, the first and
10 second section arc lengths thus cooperatively forming an annular, dual-sectioned grounding bushing, the grounding bushing comprising an inner annular surface, an outer annular surface, a conductor inlet end, a conductor outlet end, and a bushing axis, the bushing axis being substantially parallel to the hinge post axis, the conductor inlet end for receiving at least one electrical conductor, the electrical conductor exiting a conduit terminus, the conductor inlet end for removable attachment to the
15 conduit terminus, the electrical conductor for finalized electrical connectivity to structure adjacent the conduit terminus, the grounding bushing assembly thus

enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized.

21. The grounding bushing assembly of claim 20 wherein the inner annular surface
5 comprises a circumferential seat flange, the seat flange being intermediate the conductor inlet end and the conductor outlet end, and the grounding bushing assembly comprises a dual-sectioned insulative bushing member, the insulative bushing member comprising a first insulative section and a second insulative section, the first and second insulative sections each comprising a first insulative end, a
10 second insulative end, and an insulative arc length intermediate the first insulative end and the second insulative end, the first and second insulative sections thus cooperatively forming an annular, dual-sectioned bushing member, the bushing member being sized and shaped to snugly seat upon the seat flange.
- 15 22. The grounding bushing assembly of claim 20 wherein the latch pin axis has a select latch axis orientation, the select latch axis orientation being selected from the group consisting of a hinge-post parallel orientation and a hinge-post orthogonal orientation, wherein the hinge-post parallel orientation is defined by the latch pin axis being substantially parallel to the hinge post axis and wherein the hinge-post orthogonal orientation is defined by the latch pin axis being substantially orthogonal to the hinge post axis.
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23. The grounding bushing assembly of claim 20 wherein the first bushing section, the second bushing section, the hinge means, and the latch means are constructed from electrically conductive materials, the first bushing section, the second bushing section, the hinge means, and the latch means thus being electrically communicative
5 with one another.

24. The grounding bushing assembly of claim 20 wherein the first section arc length and the second section arc length are substantially equal in magnitude.
10 25. The grounding bushing assembly of claim 20 wherein the grounding bushing assembly comprises ground conductor attachment means, the ground conductor attachment means for removably attaching a ground conductor to the grounding bushing.

- 15 26. The grounding bushing assembly of claim 25 wherein the ground conductor attachment means is defined by a ground conductor-receiving tunnel, set screw-receiving structure, and at least one set screw, the ground conductor-receiving tunnel being formed through the grounding bushing adjacent the latch means, the ground conductor-receiving tunnel having a tunnel axis, the tunnel axis being substantially orthogonal to the bushing axis, the ground conductor-receiving tunnel for receiving a ground conductor, the set screw-receiving structure orthogonally intersecting the ground conductor-receiving tunnel, the set screw removably insertable in the set
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screw-receiving structure for removably attaching a ground conductor to the
grounding bushing.

27. The grounding bushing assembly of claim 20 wherein the inner annular surface
5 comprises a conductive contact ridge, the conductive contact ridge for increasing
electrical communication with the conduit terminus.

28. The grounding bushing assembly of claim 20 wherein the outer annular surface
comprises a plurality of circumferentially spaced, axially-aligned, section-reinforcing
10 ribs.

29. A dual-sectioned grounding bushing assembly, the grounding bushing assembly for
enabling an installer to install the grounding bushing assembly either before or after
electrical connections are finalized, the grounding bushing assembly comprising:
15 a first bushing section and a second bushing section, the first bushing section
comprising a first section hinge end, a first section latch end, and a first section arc
length intermediate the first section hinge end and the first section latch end, the
second bushing section comprising a second section hinge end, a second section latch
end, and a second section arc length intermediate the second section hinge end and
20 the second section latch end;

hinge means, the hinge means comprising first section hinge knuckle
structure, second section hinge knuckle structure and a hinge pin, the first section
hinge knuckle structure integrally formed with the first bushing section adjacent the

first section hinge end, the second section hinge knuckle structure integrally formed
with the second bushing section adjacent the second section hinge end, the first and
second hinge knuckle structures each comprising hinge pin-receiving structure, the
hinge pin-receiving structure having a hinge pin axis, the hinge pin insertable into the
5 hinge pin-receiving structures for pivotally connecting the first bushing section to the
second bushing section, the first bushing section and the second bushing section
being pivotable about a pivot axis when pivotally connected, the pivot axis being
collinear with the hinge pin axis; and

latch means, the latch means comprising first section latch structure, second
10 section latch structure and at least one latch pin, the first section latch structure
integrally formed with the first bushing section adjacent the first section latch end, the
second section latch structure integrally formed with the second bushing section
adjacent the second section latch end, the first and second latch structures each
comprising latch pin-receiving structure, the latch pin-receiving structure having a
15 latch pin axis, the latch pin removably insertable into the latch pin-receiving structure
for removably fastening the first section latch end to the second section latch end, the
first and second section arc lengths thus cooperatively forming an annular, dual-
sectioned grounding bushing, the grounding bushing comprising an inner annular
surface, an outer annular surface, a conductor inlet end, a conductor outlet end, and a
20 bushing axis, the bushing axis being substantially parallel to the hinge pin axis, the
conductor inlet end for receiving at least one electrical conductor, the electrical
conductor exiting a conduit terminus, the conductor inlet end for removable
attachment to the conduit terminus, the electrical conductor for finalized electrical

connectivity to structure adjacent the conduit terminus, the grounding bushing assembly thus enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized.

- 5 30. The grounding bushing assembly of claim 29 wherein the grounding bushing comprises an annular beveled surface intermediate the inner annular surface and the conductor outlet end.
- 10 31. The grounding bushing assembly of claim 29 wherein the latch pin axis has a select latch axis orientation, the select latch axis orientation being selected from the group consisting of a hinge-pin parallel orientation and a hinge-pin orthogonal orientation, wherein the hinge-pin parallel orientation is defined by the latch pin axis being substantially parallel to the hinge pin axis and wherein the hinge-pin orthogonal orientation is defined by the latch pin axis being substantially orthogonal to the hinge pin axis.
- 15 32. The grounding bushing assembly of claim 29 wherein the first bushing section, the second bushing section, the hinge means, and the latch means are constructed from electrically conductive materials, the first bushing section, the second bushing section, the hinge means, and the latch means thus being electrically communicative with one another.

33. The grounding bushing assembly of claim 29 wherein the first section arc length and the second section arc length are substantially equal in magnitude.
34. The grounding bushing assembly of claim 29 wherein the grounding bushing
5 assembly comprises ground conductor attachment means, the ground conductor attachment means for removably attaching a ground conductor to the grounding bushing.
35. The grounding bushing assembly of claim 34 wherein the ground conductor
10 attachment means is defined by a ground conductor-receiving tunnel, set screw-receiving structure, and at least one set screw, the ground conductor-receiving tunnel being formed through the grounding bushing adjacent the latch means, the ground conductor-receiving tunnel having a tunnel axis, the tunnel axis being substantially orthogonal to the bushing axis, the ground conductor-receiving tunnel for receiving a
15 ground conductor, the set screw-receiving structure orthogonally intersecting the ground conductor-receiving tunnel, the set screw removably insertable in the set screw-receiving structure for removably attaching a ground conductor to the grounding bushing.
- 20 36. The grounding bushing assembly of claim 29 wherein the inner annular surface comprises select conductive contact means for increasing electrical communication with the conduit terminus.

37. The grounding bushing assembly of claim 36 wherein the select conductive contact means is selected from the group consisting of a conductive contact ridge and select compression ring structure, the select compression ring structure being selected from the group consisting of a gapped compression ring and a dual-sectioned compression ring.

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38. The grounding bushing assembly of claim 29 wherein the outer annular surface comprises a plurality of circumferentially spaced, axially-aligned, section-reinforcing ribs.

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39. A dual-sectioned grounding bushing assembly, the grounding bushing assembly for enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized, the grounding bushing assembly comprising:

15 a first bushing section and a second bushing section, the first bushing section comprising a first section hinge end, a first section latch end, and a first section arc length intermediate the first section hinge end and the first section latch end, the second bushing section comprising a second section hinge end, a second section latch end, and a second section arc length intermediate the second section hinge end and the second section latch end;

20 pivot means, the pivot means comprising first section pivot structure and second section pivot structure, the first section pivot structure integrally formed with the first bushing section adjacent the first section pivot end, the second section pivot structure integrally formed with the second bushing section adjacent the second

section pivot end, the first and second pivot structures cooperatively associated with one another for movably connecting the first bushing section to the second bushing section, the first bushing section being triaxially movable with respect to the second bushing section when movably connected thereto; and

- 5 latch means, the latch means comprising first section latch structure, second section latch structure and latch pin means, the first section latch structure integrally formed with the first bushing section adjacent the first section latch end, the second section latch structure integrally formed with the second bushing section adjacent the second section latch end, the first and second latch structures each comprising latch pin-receiving structure, the latch pin-receiving structure having a latch pin axis, the latch pin means removably insertable into the latch pin-receiving structure for removably fastening the first section latch end to the second section latch end, the first and second section arc lengths thus cooperatively forming an annular, dual-sectioned grounding bushing, the grounding bushing comprising an inner annular surface, an outer annular surface, a conductor inlet end, a conductor outlet end, and a bushing axis, the conductor inlet end for receiving at least one electrical conductor, the electrical conductor exiting a conduit terminus, the conductor inlet end for removable attachment to the conduit terminus, the electrical conductor for finalized electrical connectivity to structure adjacent the conduit terminus, the grounding bushing assembly thus enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized.
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40. The grounding bushing assembly of claim 39 wherein the inner annular surface comprising a circumferential seat flange, the seat flange being intermediate the conductor inlet end and the conductor outlet end, and the grounding bushing assembly comprises a dual-sectioned insulative bushing member, the insulative bushing member comprising a first insulative section and a second insulative section, the first and second insulative sections each comprising a first insulative end, a second insulative end, and an insulative arc length intermediate the first insulative end and the second insulative end, the first and second insulative sections together forming an annular, dual-sectioned bushing member, the bushing member being sized and shaped to snugly seat upon the seat flange.
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41. The grounding bushing assembly of claim 39 wherein the latch pin axis has a select latch axis orientation, the select latch axis orientation being selected from the group consisting of a bushing-axis parallel orientation and a bushing-axis orthogonal orientation, wherein the bushing-axis parallel orientation is defined by the latch pin axis being substantially parallel to the bushing axis and wherein the bushing-axis orthogonal orientation is defined by the latch pin axis being substantially orthogonal to the bushing axis.
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- 20 42. The grounding bushing assembly of claim 39 wherein the first bushing section, the second bushing section, the pivot means, and the latch means are constructed from electrically conductive materials, the first bushing section, the second bushing

section, the pivot means, and the latch means thus being electrically communicative with one another.

43. The grounding bushing assembly of claim 39 wherein the first section arc length and
5 the second section arc length are substantially equal in magnitude.

44. The grounding bushing assembly of claim 39 wherein the grounding bushing comprises ground conductor attachment means, the ground conductor attachment means for removably attaching a ground conductor to the grounding bushing.

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45. The grounding bushing assembly of claim 44 wherein the ground conductor attachment means is defined by a ground conductor-receiving tunnel, set screw-receiving structure, and at least one set screw, the ground conductor-receiving tunnel being formed through the grounding bushing adjacent the latch means, the ground conductor-receiving tunnel having a tunnel axis, the tunnel axis being substantially orthogonal to the bushing axis, the ground conductor-receiving tunnel for receiving a ground conductor, the set screw-receiving structure orthogonally intersecting the ground conductor-receiving tunnel, the set screw removably insertable in the set screw-receiving structure for removably attaching a ground conductor to the
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grounding bushing.
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46. The grounding bushing assembly of claim 39 wherein the inner annular surface comprises a conductive contact ridge, the conductive contact ridge for increasing electrical communication with the conduit terminus.
- 5 47. The grounding bushing assembly of claim 39 wherein the outer annular surface comprises a plurality of circumferentially spaced, axially-aligned, section-reinforcing ribs.
48. A dual-sectioned grounding bushing assembly, the grounding bushing assembly for enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized, the grounding bushing assembly comprising:
- 10 a first bushing section and a second bushing section, the first bushing section comprising a first section hinge end, a first section latch end, and a first section arc length intermediate the first section hinge end and the first section latch end, the second bushing section comprising a second section hinge end, a second section latch end, and a second section arc length intermediate the second section hinge end and the second section latch end;
- 15 hinge means, the hinge means comprising first section hinge knuckle structure, second section hinge knuckle structure and a hinge pin, the first section hinge knuckle structure integrally formed with the first bushing section adjacent the first section hinge end, the second section hinge knuckle structure integrally formed with the second bushing section adjacent the second section hinge end, the first and second hinge knuckle structures each comprising hinge pin-receiving structure, the

hinge pin-receiving structure having a hinge pin axis, the hinge pin insertable into the hinge pin-receiving structures for pivotally connecting the first bushing section to the second bushing section, the first bushing section and the second bushing section being pivotable about a pivot axis when pivotally connected, the pivot axis being
5 collinear with the hinge pin axis;

latch means, the latch means comprising first section latch structure, second section latch structure and a latch pin, the first section latch structure integrally formed with the first bushing section adjacent the first section latch end, the second section latch structure integrally formed with the second bushing section adjacent the second section latch end, the first and second latch structures each comprising latch pin-receiving structure, the latch pin-receiving structure having a latch pin axis, the latch pin removably insertable into the latch pin-receiving structures for removably fastening the first section latch end to the second section latch end, the first and second section arc lengths thus cooperatively forming an annular, dual-sectioned
10 grounding bushing, the grounding bushing comprising an inner annular surface, an outer annular surface, a conductor inlet end, a conductor outlet end, and a bushing axis, the inner annular surface comprising at least one spring member-receiving structure, the spring member-receiving structure being intermediate the conductor inlet end and the conductor outlet end; and
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20 at least one spring member, the conductor inlet end for receiving at least one electrical conductor, the electrical conductor exiting a conduit terminus, the conductor inlet end for removable attachment to the conduit terminus, the spring member being insertable into the spring member-receiving structure for increasing electrical

communication with the conduit terminus, the electrical conductor for finalized electrical connectivity to structure adjacent the conduit terminus, the grounding bushing assembly thus enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized.

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49. The grounding bushing assembly of claim 48 wherein the latch pin axis has a select latch axis orientation, the select latch axis orientation being selected from the group consisting of a hinge-pin parallel orientation and a hinge-pin orthogonal orientation, wherein the hinge-pin parallel orientation is defined by the latch pin axis being substantially parallel to the hinge pin axis and wherein the hinge-pin orthogonal orientation is defined by the latch pin axis being substantially orthogonal to the hinge pin axis.
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50. The grounding bushing assembly of claim 48 wherein the first bushing section, the second bushing section, the hinge means, and the latch means are constructed from electrically conductive materials, the first bushing section, the second bushing section, the hinge means, and the latch means thus being electrically communicative with one another.
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- 20 51. The grounding bushing assembly of claim 48 wherein the first section arc length and the second section arc length are substantially equal in magnitude.

52. The grounding bushing assembly of claim 48 wherein the grounding bushing comprises ground conductor attachment means, the ground conductor attachment means for removably attaching a ground conductor to the grounding bushing.
- 5 53. The grounding bushing assembly of claim 52 wherein the ground conductor attachment means is defined by a ground conductor-receiving tunnel, set screw-receiving structure, and at least one set screw, the ground conductor-receiving tunnel being formed through the grounding bushing adjacent the latch means, the ground conductor-receiving tunnel having a tunnel axis, the tunnel axis being substantially orthogonal to the bushing axis, the ground conductor-receiving tunnel for receiving a ground conductor, the set screw-receiving structure orthogonally intersecting the ground conductor-receiving tunnel, the set screw removably insertable in the set screw-receiving structure for removably attaching a ground conductor to the grounding bushing.
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54. The grounding bushing assembly of claim 48 wherein the inner annular surface comprises select conductive contact structure, the select conductive contact structure for increasing electrical communication with the conduit terminus, the select conductive contact structure being selected from the group consisting of a conductive contact ridge and at least one conductive contact spike.
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55. The grounding bushing assembly of claim 48 wherein the outer annular surface comprises a plurality of circumferentially spaced, axially-aligned, section-reinforcing ribs.
- 5 56. A grounding bushing assembly, the grounding bushing assembly for enabling an installer to install the grounding bushing assembly either before or after electrical connections are finalized, the grounding bushing assembly comprising:
- a first bushing section and a second bushing section, the first bushing section comprising a first section pivot end, a first section latch end, and a first section arc length intermediate the first section hinge end and the first section latch end, the second bushing section comprising a second section pivot end, a second section latch end, and a second section arc length intermediate the second section pivot end and the second section latch end;
- select pivot means, the select pivot means being selected from the group consisting of insertable-pin hinge means, fixed-post hinge means, and triaxial pivot means, the select pivot means for movably connecting the first bushing section to the second bushing section; and
- select latch means, the select latch means being selected from the group consisting of axially-orthogonal latch means and select axially-parallel latch means, the select axially-parallel latch means being selected from the group consisting of ball-plunger knuckle latch means and latch-pin knuckle latch means, the select latch means for removably fastening the first section latch end to the second section latch end, the first and second section arc lengths thus cooperatively forming an annular,

dual-sectioned grounding bushing, the grounding bushing comprising an inner annular surface, an outer annular surface, a conductor inlet end, a conductor outlet end, and a bushing axis.

- 5 57. The grounding bushing assembly of claim 56 wherein the first bushing section, the second bushing section, the select pivot means, and the select latch means are constructed from electrically conductive materials, the first bushing section, the second bushing section, the select pivot means, and the select latch means thus being electrically communicative with one another.

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58. The grounding bushing assembly of claim 56 wherein the first section arc length and the second section arc length are substantially equal in magnitude.

- 15 59. The grounding bushing assembly of claim 56 wherein the grounding bushing comprises ground conductor attachment means, the ground conductor attachment means for removably attaching a ground conductor to the grounding bushing.

- 20 60. The grounding bushing assembly of claim 59 wherein the ground conductor attachment means is defined by a ground conductor-receiving tunnel, set screw-receiving structure, and at least one set screw, the ground conductor-receiving tunnel being formed through the grounding bushing adjacent the latch means, the ground conductor-receiving tunnel having a tunnel axis, the tunnel axis having a select tunnel axis orientation, the select tunnel axis orientation being selected from the group

consisting of an axially-parallel orientation and an axially-orthogonal orientation,
wherein the axially-parallel orientation is defined by the tunnel axis being
substantially parallel to the bushing axis and wherein the axially-orthogonal
orientation is defined by the tunnel axis being substantially orthogonal to the bushing
axis.

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61. The grounding bushing assembly of claim 56 wherein the inner annular surface
comprises select conductive contact structure, the select conductive contact structure
for increasing electrical communication with the conduit terminus, the select
10 conductive contact structure being selected from the group consisting of a conductive
contact ridge, at least one conductive contact spike, a conductive contact spring
member, and select compression ring structure, the select compression ring structure
being selected from the group consisting of a gapped compression ring and a dual-
sectioned compression ring.

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62. The grounding bushing assembly of claim 56 wherein the grounding bushing
assembly comprises select bushing means, the select bushing means being
cooperatively associated with the grounding bushing for protecting the electrical
conductor, the select bushing means being spatially located intermediate the
20 conductor inlet end and the conductor outlet end, the select bushing means being
selected from the group consisting of an annular flange, a dual-sectioned bushing
member, and an annular beveled surface.

63. The grounding bushing assembly of claim 62 wherein the select bushing means is constructed from electrically insulative materials.
64. The grounding bushing assembly of claim 56 wherein the outer annular surface 5 comprises a plurality of circumferentially spaced, axially-aligned, section-reinforcing ribs.
65. A grounding bushing assembly, the grounding bushing assembly for enabling an installer to install the grounding bushing assembly either before or after electrical 10 connections are finalized, the grounding bushing assembly comprising:
- 15 a first bushing section and a second bushing section, the first bushing section comprising a first section pivot end, a first section latch end, and a first section arc length intermediate the first section hinge end and the first section latch end, the second bushing section comprising a second section pivot end, a second section latch end, and a second section arc length intermediate the second section pivot end and the second section latch end;
- 20 pivot means, the pivot means for movably connecting the first bushing section to the second bushing section;
- ground conductor attachment means, the ground conductor attachment means for removably attaching a ground conductor to the grounding bushing; and
- latch means, the latch means for removably fastening the first section latch end to the second section latch end, the first and second section arc lengths thus cooperatively forming an annular, dual-sectioned grounding bushing, the grounding

bushing comprising an inner annular surface, an outer annular surface, a conductor inlet end, a conductor outlet end, and a bushing axis.

66. The grounding bushing assembly of claim 65 wherein the first bushing section, the
5 second bushing section, the pivot means, the ground conductor attachment means,
and the latch means are constructed from electrically conductive materials, the first
bushing section, the second bushing section, the pivot means, the ground conductor
attachment means, and the latch means thus being electrically communicative with
one another.

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67. The grounding bushing assembly of claim 65 wherein the first section arc length and
the second section arc length are substantially equal in magnitude.

68. The grounding bushing assembly of claim 65 wherein the ground conductor
15 attachment means is defined by a ground conductor-receiving tunnel, set screw-
receiving structure, and at least one set screw, the ground conductor-receiving tunnel
being formed through the grounding bushing adjacent the latch means, the ground
conductor-receiving tunnel having a tunnel axis, the tunnel axis having a select tunnel
axis orientation, the select tunnel axis orientation being selected from the group
20 consisting of an axially-parallel orientation and an axially orthogonal orientation,
wherein the axially-parallel orientation is defined by the tunnel axis being
substantially parallel to the bushing axis and wherein the axially-orthogonal

orientation is defined by the tunnel axis being substantially orthogonal to the bushing axis.

69. The grounding bushing assembly of claim 65 wherein the inner annular surface
5 comprises select conductive contact structure, the select conductive contact structure
for increasing electrical communication with the conduit terminus, the select
conducting contact structure being selected from the group consisting of a conductive
contact ridge, at least one conductive contact spike, a conductive contact spring
member, and select compression ring structure, the select compression ring structure
10 being selected from the group consisting of a gapped compression ring and a dual-
sectioned compression ring.

70. The grounding bushing assembly of claim 65 wherein the grounding bushing
assembly comprises select bushing means, the select bushing means being
15 cooperatively associated with the grounding bushing for protecting the electrical
conductor, the select bushing means being spatially located intermediate the inner
annular surface and the conductor outlet end, the select bushing means being selected
from the group consisting of an annular flange, a dual-sectioned bushing member, and
an annular beveled surface.

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71. The grounding bushing assembly of claim 70 wherein the select bushing means is
constructed from electrically insulative materials.

72. The grounding bushing assembly of claim 65 wherein the outer annular surface comprises a plurality of circumferentially spaced, axially-aligned, section-reinforcing ribs.